

***LineUp With Math™* Alignment**
Priority Academic Student Skills
Mathematics Content Standards

Standard 2: Number Sense - The student will use numbers and number relationships to acquire basic facts and determine the reasonableness of results.

Skills

2. Ratio, Proportion and Percents
- a. Demonstrate the concept of ratio and proportion with models (e.g., similar geometric shapes, scale models).
 - b. Set up equivalent ratios, estimate and solve problems using ratio, proportions, and percents including percents greater than 100 and less than 1 (e.g., determine missing sides of similar figures, heart rate per minute, cost per pound, pay to hours worked overtime).
 - c. Solve percent application problems (e.g., discounts, tax, finding the missing value of percent/part/whole).

***LineUp With Math™* Activities**

- Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.
- Use percent relationships to resolve distance, rate, time conflicts in air traffic control.

Standard 4: Measurement - The student will use measurement to solve problems in a variety of contexts.

Skills

2. Customary and Metric Measurements
- a. Select and use appropriate tools for measurements in practical applications and make reasonable estimates of measurements in a particular situation using the appropriate unit.

***LineUp With Math™* Activities**

- Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.
- Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.